

ST Series Miniature Toggle Switches

CONTACT RATINGS

Q Power models - 6 Amps at 125 VAC, 3 Amps at 250 VAC or 7 Amps at 30 VDC (resistive loads).

B Dry Circuit models - 0.4 Volt-Amps (VA) max. at 20 V max. (AC or DC).

UL models - 6 Amps at 125 VAC or 3 Amps at 250 VAC (75% power factor). UL file no. E66367.

CSA models - Same ratings as UL models. CSA file no. LR54592-1

See page C14 for other contact ratings.

OTHER RATINGS

Electrical Life: 100,000 cycles min. (ST1-1 and ST2-1 only - other models 40,000 cycles min.) - resistive.

Initial Contact Resistance: 3 milliohms max. at 3 VDC, 0.1 Amp.

Insulation Resistance: Greater than 200,000 megohms between terminals and case ground.

Dielectric Strength: Greater than 2000 VAC for 1 minute between terminals and case ground (sea level).

Operating Temperature Range: -30 to +85 C.

MATERIALS

Toggle Handle - Brass, bright nickel or chrome plated

Bushing - Brass, nickel plated

Strap - Stainless steel

Case - Diallyl phthalate, color red

Contacts - Coin silver for power, UL and CSA models; Gold over nickel over brass for dry circuit models

Support Bracket - Brass or steel, tin plated

Spring Mounting Bracket - Stainless steel

Bezel and Bezel Insert - Nylon. Available in red, white or black - consult factory for other colors.

L.E.D.'s

Intensity: 2.0 mcd at 10 mA. Forward voltage: 2.0 V (3.0 V max.). Max. continuous forward current: 15 mA for red, 30 mA for green and 20 mA for yellow. Red is standard. Yellow and green are optional. L.E.D. specifications are subject to change without notice - consult factory.

MOUNTING HARDWARE

See page C10.

PANEL MOUNTING INFORMATION FOR BUSHING MOUNTED SWITCHES - See page E 35

PANEL LAYOUTS FOR BUSHING MOUNTED SWITCHES

THESE LAYOUTS ACCEPT ALL 1/4 - 40 THREADED BUSHINGS.						
WITHOUT KEYING Accepts all Bushings	WITH A107 ANTI-ROTATE RING	WITH A158 ANTI-ROTATE RING	WITH D BUSHING	WITH SLOTTED KEYWAY BUSHINGS	ACCEPTS ALL 1/4" NON-THREADED BUSHINGS	ACCEPTS ALL 15/32" THREADED BUSHINGS

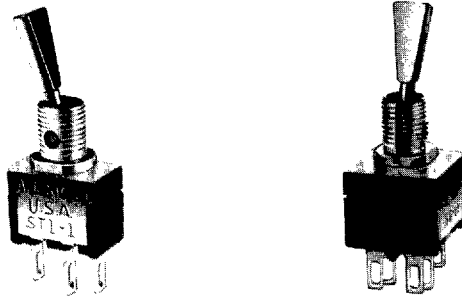
INDEX

Models with complete models numbers specified Pg. C3 - Pg. C10
Selection guide for ST series miniature toggle switches Pg. C11 - Pg. C14

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

with decorative flatted handle
for panel mounting



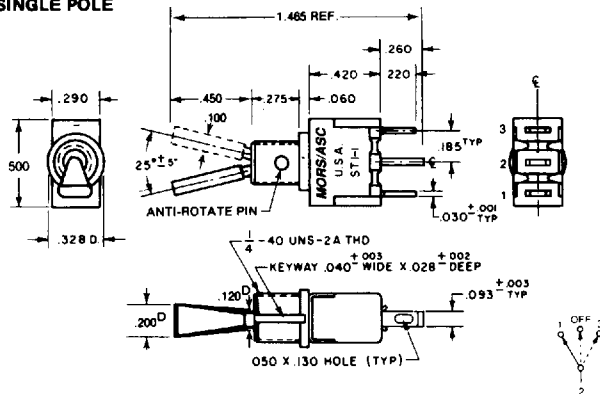
SINGLE POLE

DOUBLE POLE

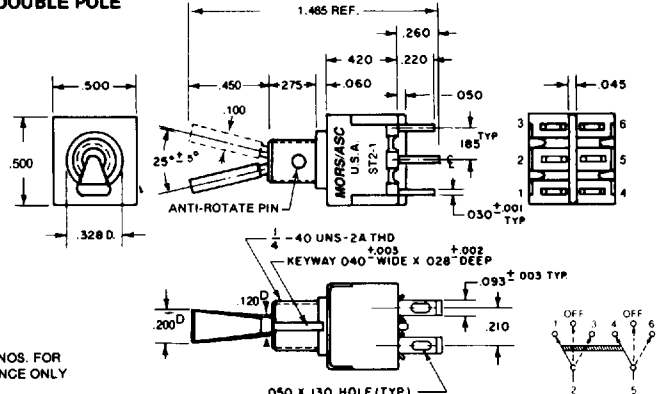
	MODELS			HANDLE POSITION AND CIRCUITRY		
	Power Circuit Model No.	Dry Circuit Model No.	U.L. Model No.	Key Way	Key Way	Key Way
S I N G L E	ST1-1F1MZO	ST1-1F1MZB	UL11F1MZO	ON	NONE	ON
	ST1-2F1MZO	ST1-2F1MZB	UL12F1MZO	ON	OFF	ON
	ST1-3F1MZO	ST1-3F1MZB	UL13F1MZO	(ON)	OFF	(ON)
	ST1-4F1MZO	ST1-4F1MZB	UL14F1MZO	ON	OFF	(ON)
	ST1-5F1MZO	ST1-5F1MZB	UL15F1MZO	ON	NONE	(ON)
D O U B L E	ST2-1F1MZO	ST2-1F1MZB	UL21F1MZO	ON	NONE	ON
	ST2-2F1MZO	ST2-2F1MZB	UL22F1MZO	ON	OFF	ON
	ST2-3F1MZO	ST2-3F1MZB	UL23F1MZO	(ON)	OFF	(ON)
	ST2-4F1MZO	ST2-4F1MZB	UL24F1MZO	ON	OFF	(ON)
	ST2-5F1MZO	ST2-5F1MZB	UL25F1MZO	ON	NONE	(ON)
	ST2-6F1MZO	ST2-6F1MZB	UL26F1MZO	ON	ON	ON
	ST2-7F1MZO	ST2-7F1MZB	UL27F1MZO	(ON)	ON	(ON)
	ST2-8F1MZO	ST2-8F1MZB	UL28F1MZO	ON	ON	(ON)
	Term. Conn.	Term. Conn.	Term. Conn.	1-2, 4-5	1-2, 5-6	2-3, 5-6

CONTACTS MAKE OPPOSITE HANDLE DIRECTION PARENTHESIS INDICATES MOMENTARY ACTION

SINGLE POLE

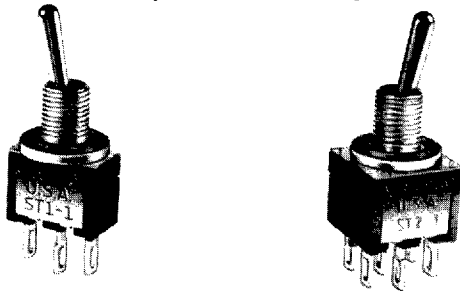


DOUBLE POLE



TERM. NOS. FOR
REFERENCE ONLY

with splashproof bushing
for panel mounting



SINGLE POLE

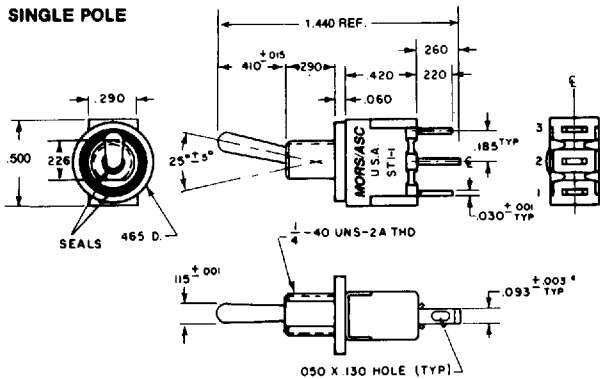
DOUBLE POLE

	MODELS			HANDLE POSITION AND CIRCUITRY		
	Power Circuit Model No.	Dry Circuit Model No.	U.L. Model No.	Key Way	Key Way	Key Way
S I N G L E	ST1-1KHZQ	ST1-1KHZB	UL11KHZQ	ON	NONE	ON
	ST1-2KHZQ	ST1-2KHZB	UL12KHZQ	ON	OFF	ON
	ST1-3KHZQ	ST1-3KHZB	UL13KHZQ	(ON)	OFF	(ON)
	ST1-4KHZQ	ST1-4KHZB	UL14KHZQ	ON	OFF	(ON)
	ST1-5KHZQ	ST1-5KHZB	UL15KHZQ	ON	NONE	(ON)
D O U B L E	ST2-1KHZQ	ST2-1KHZB	UL21KHZQ	ON	NONE	ON
	ST2-2KHZQ	ST2-2KHZB	UL22KHZQ	ON	OFF	ON
	ST2-3KHZQ	ST2-3KHZB	UL23KHZQ	(ON)	OFF	(ON)
	ST2-4KHZQ	ST2-4KHZB	UL24KHZQ	ON	OFF	(ON)
	ST2-5KHZQ	ST2-5KHZB	UL25KHZQ	ON	NONE	(ON)
	ST2-6KHZQ	ST2-6KHZB	UL26KHZQ	ON	ON	ON
	ST2-7KHZQ	ST2-7KHZB	UL27KHZQ	(ON)	ON	(ON)
	ST2-8KHZQ	ST2-8KHZB	UL28KHZQ	ON	ON	(ON)
	Term. Conn.	Term. Conn.	Term. Conn.	1-2, 4-5	1-2, 5-6	2-3, 5-6

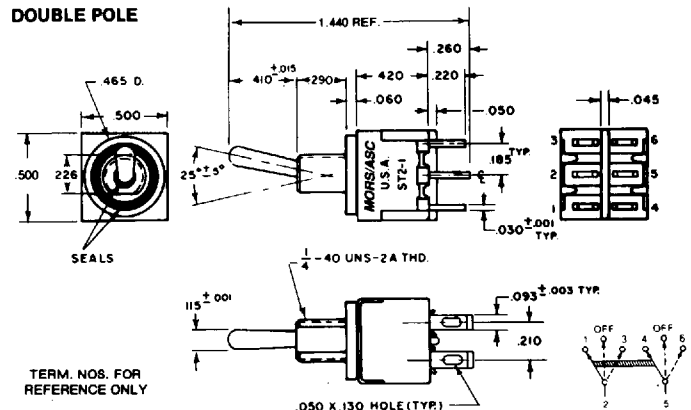
CONTACTS MAKE OPPOSITE HANDLE DIRECTION PARENTHESIS INDICATES MOMENTARY ACTION

Splashproof Feature: An o-ring placed internally between the toggle handle and the bushing and a gasket placed externally between the bushing flange and mounting panel provides static protection from a 3.3 ft. (1 meter) head of water for 30 min.

SINGLE POLE



DOUBLE POLE



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Mouser Electronics

Authorized Distributor

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